

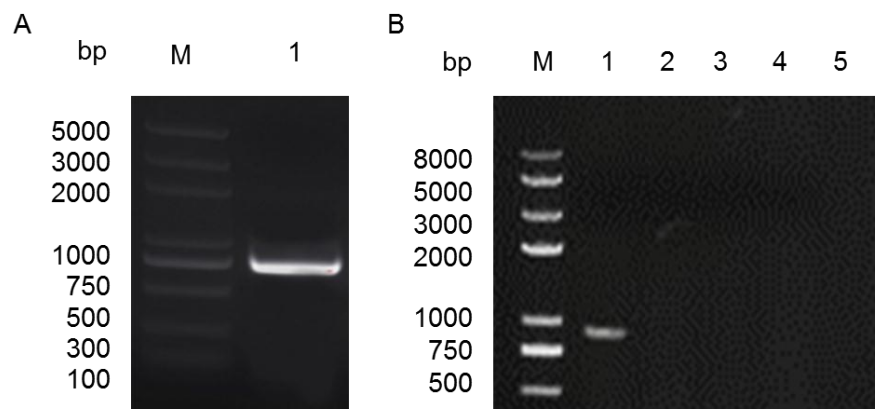
Electronic Supplementary Material

Porcine FcεRI Mediates Porcine Reproductive and Respiratory Syndrome Virus Multiplication and Regulates the Inflammatory Reaction

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Supporting information to DOI: 10.1007/s12250-018-0032-3



Supplementary Figure S1. Cloning and analysis of the porcine FcεRI gene. (A) Cloning of the FcεRI gene from PAMs. Lane M, DNA molecular weight marker; lane 1, FcεRI obtained from the PAMs. (B) Cloning of the FcεRI gene from 3D4/21, PBMC, PK-15 and IPEC-J2 cells. Lanes: M, DNA molecular weight marker; 1, 3D4/21 cells; 2, PBMC cells; 3, PK-15 cells; 4, IPEC-J2 cells; 5, negative control.

Table S1. The primers used for PCR amplification

Primer name	Genbank Number	Sequence of primer (5'-3')
FcεR I -F	XM_001929139	ATGGCAGCAGTCATCCAGGAATCTC
FcεR I -R		GCCAGTTACAGTTGGTTCAATGAAGC
pcDNA3.1-FcεR I -F	XM_001929139	<i>CACCACACTGGACTAGTGATGGCAGCAGTCATCCAGGAATCT</i>
pcDNA3.1-FcεR I - R		<i>TGGTACCGAGCTCGGATCGTCCGTTCCGGGGTCTGAGCT</i>
pGEX-6p-FcεR I -F	XM_001929139	<i>TCCAGGGGCCCTGGGAATGGCAGCAGTCATCCAGGAAT</i>
pGEX-6p-FcεR I -R		<i>ACCCGGGAATCCGGGATCCGTAATAGTTCGAGGGAAGTGAAGGG</i>

Note: Restriction enzyme cutting sites were marked by underline, the upper and lower 15bp sequences near restriction enzyme cutting sites were in italic

Table S2. The primers used for RT-qPCR detection

Primer name	Genbank Number	Sequence of primer (5'-3')
PRRSV-F	KX286735.1	GCCTCGTGTTGGGTGGCAGA
PRRSV-R		CACGGTCCGCCCTAATTGAATAGG
FcγR I -F	DQ026063	AGCCTCCGTGGGTTCAGT
FcγR I -R		CAGCAGCAGCAATTCTGTATCT
FcγR II -F	DQ026064	TTCCAACCTTCTCCATCCCACA
FcγR II -R		GGCAGCCTCTTCAGCATCA
FcγR III-F	AF372453	CCTACCCTCCTGGAGACGAT
FcγR III-R		CCAGCCCTTGTAGACTTCTAGT
FcεR I -F	KU527059.1	TGCCAAAGCAAAGACTTTACAATGAG
FcεR I -R		GCATTGGTAATGGAGAGGTTGTGG
FcεR II -F	XM_011517512.2	GACCAAACACGCTCACATAAGG
FcεR II -R		CGGGCTGCCAGTTGCTAT
MHC II -F	NM_001113695	GCCCACAGTGACGGTGTATCCT
MHC II -R		CACTCGGCAGCTGTAGACCTCT
TLR7-F	DQ647699	AAGTGGAATTGCCCTCGTT
TLR7-R		ATAGCCTTTGATCCGCAACA
TNF-α-F	X57321	GAGATCAACCTGCCCGACT
TNF-α-R		CTTTCTAAACCAGAAGGACGTG
IFN-β-F	NM_001003923	GCAGTATTGATTATCCACGAGA
IFN-β-R		TCTGCCCATCAAGTTCCAC
CCR2-F	AB119271	AACATTCTGGTTACGCCTGT
CCR2-R		ATTCCCGAGTAGCAGACG
MCP-1-F	AJ311717	CTCCTGTGCCTGCTGCT
MCP-1-R		TTCAAGGCTTCGGAGTTT
NF-κB-F	EU399817.1	GTGTGTAAAGAAGCGGGACCT
NF-κB-R		CACTGTACCTGGAAGCAGAG
P38-F	XM001929490.1	CTTACGGATGACCCACGTTTCAGT
P38-R		GCTCACAGTCTTCATTACAGC
GAPDH-F	AF017079	ATGACAACCTT CGGCATCGT
GAPDH-R		CCAGTGAGCTTCCCGTTGAG